

Supplementary Information

Supplementary Table 1

Gene	Primer
COSMC	5'-CACTGTGACAAAGCAGA-3' (F) 5'-GGTTGGGGTGATAAGTCA-3' (R)
C1GALT1C1	5'-GCGGCTGCCAGAGAAGCAA-3' (F) 5'-AGGGCCGGTCATAACCCAGCA-3' (R)
GAPDH	5'-GCCTTCCGTGTCCCCACTGC-3' (F) 5'-GCTCTTGCTGGGGCTGGTGG-3' (R)

List of cDNA specific PCR primers used for the study

Supplementary Table 2

Details of antibodies used for the study

Anti-body	Host species	Vendor	Cat.No	Dilution
C1GalT1	Mouse	Santa Cruz Biotechnology, CA, USA	sc-100745	1:1000
E-cadherin	Rabbit	Cell Signaling Technology, MA, USA	24E10	1:1000
Claudin	Rabbit	Cell Signaling Technology, MA, USA	D5H1D	1:1000
Occludin	Mouse	Santa Cruz Biotechnology, CA, USA	sc-133256	1:500
α SMA	Rabbit	Cell Signaling Technology, MA, USA	D4K9N	1:1000
N-cadherin	Rabbit	Cell Signaling Technology, MA, USA	D4R1H	1:1000
Snail	Rabbit	Cell Signaling Technology, MA, USA	C15D3	1:1000
Slug	Rabbit	Cell Signaling Technology, MA, USA	C19G7	1:1000
Vimentin	Rabbit	Cell Signaling Technology, MA, USA	D21H3	1:1000
MMP2	Rabbit	Cell Signaling Technology, MA, USA	D4M2N	1:2000
MMP9	Rabbit	Cell Signaling Technology, MA, USA	D6O3H	1:1000
GAPDH	Rabbit	Cell Signaling Technology, MA, USA	14C10	1:5000

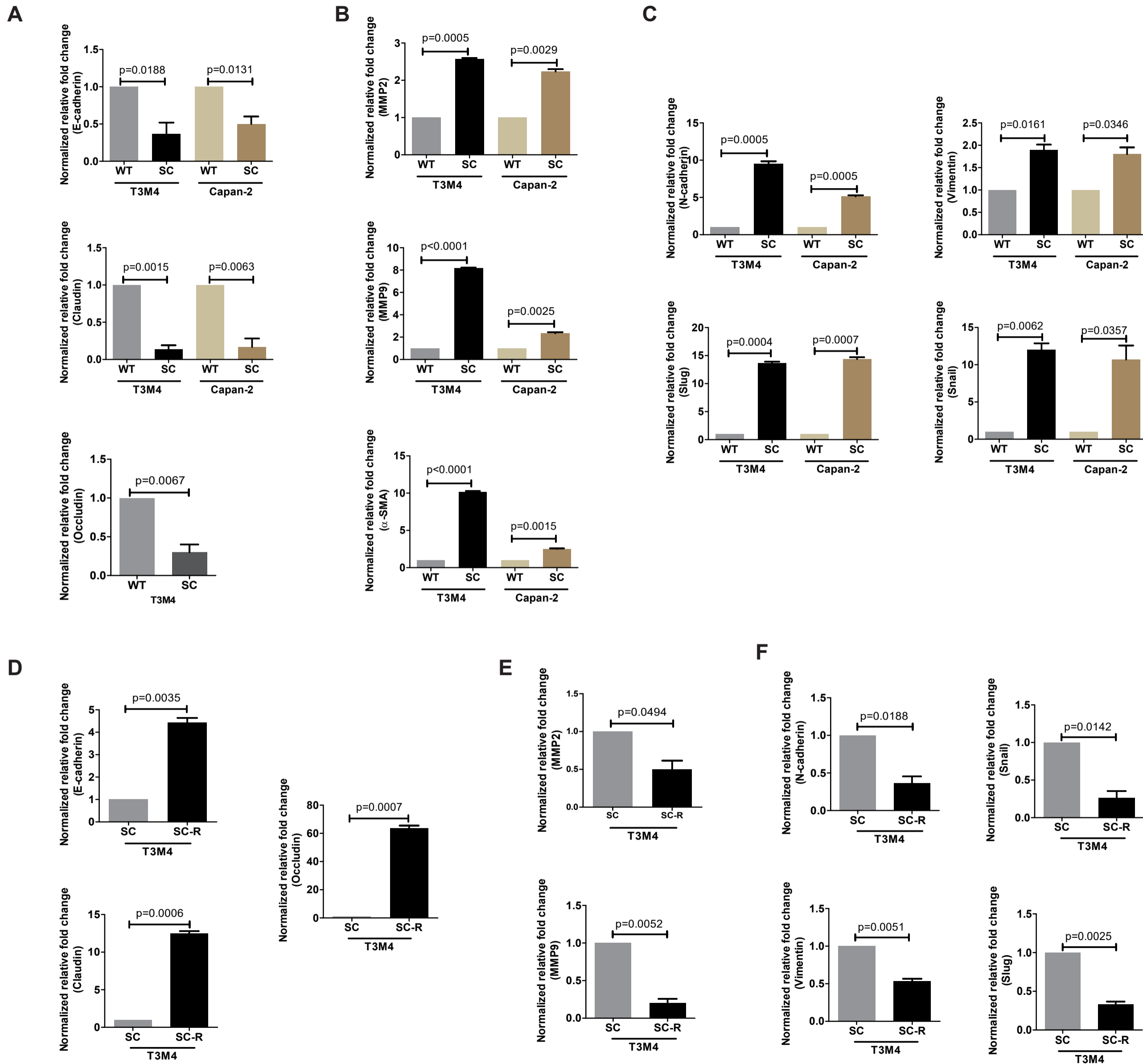
β -actin	Mouse	Cell Signaling Technology, MA, USA	8H10D10	1:5000
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Supplementary Figure legends

Supplementary Figure 1. Quantification of Western blotting results. The band intensity of each protein was analyzed by NIH ImageJ software and the fold change was calculated by normalizing with respective loading control (β -actin and GAPDH). Each experiments was performed in triplicate. Statistical significance between groups was analyzed by Two-way ANOVA. *p* value less than 0.05 was considered as statistically significant.

Supplementary Figure 2. A. The incidence of tumor metastasis was compared between T3M4 WT and SC cells implanted tumor bearing animals by the Fisher's two-tailed exact test.

Supplementary Figure 1



Supplementary Figure 2

